



US 20190044787A1

(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2019/0044787 A1**
Richardson et al. (43) **Pub. Date: Feb. 7, 2019**(54) **POINT OF PRESENCE MANAGEMENT IN REQUEST ROUTING****Publication Classification**(71) Applicant: **Amazon Technologies, Inc.**, Seattle, WA (US)(51) **Int. Cl.**
H04L 29/12 (2006.01)
H04L 29/08 (2006.01)
(52) **U.S. Cl.**
CPC *H04L 29/12066* (2013.01); *H04L 67/141* (2013.01); *H04L 67/10* (2013.01); *H04L 61/1511* (2013.01); *H04L 61/1552* (2013.01)(72) Inventors: **David R. Richardson**, Seattle, WA (US); **John Cormie**, Seattle, WA (US); **Colm MacCarthaigh**, Seattle, WA (US); **Benjamin W.S. Redman**, Seattle, WA (US)(57) **ABSTRACT**

A system and method for the management of client computing device DNS queries and subsequent resource requests within a content delivery network service provider domain are provided. The management of the DNS queries can include the selection of computing devices corresponding to various Point of Presence locations for processing DNS queries. Additionally, the management of the content requests can include the selection of computing devices corresponding to resource cache components corresponding to various Point of Presence locations for providing requested content. The selection of the computing devices can incorporate logic related to geographic criteria, testing criteria, and the like.

(21) Appl. No.: **16/154,597**(22) Filed: **Oct. 8, 2018****Related U.S. Application Data**

(63) Continuation of application No. 12/892,819, filed on Sep. 28, 2010, now Pat. No. 10,097,398.

